

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph on page 26 at lines 6–21 of the specification with the following:

FIGURE 3 illustrates a functional block diagram of a portion of the present invention comprising two modems and a controller in an embodiment of the present invention. Modem 302 and modem 304 are selectively coupled to receive uplink signals sent by different ones of subscriber stations to the base station (not shown). Here, IF/Rf (intermediate frequency/radio frequency) receive circuitry 306 of the base station is shown to pass the uplink signals to the modems. Circuitry 306 is operable to down-convert in frequency uplink signals received from receive circuitry 304. Thereafter, the down-converted signals, bursts sub3...sub1 and bursts subN...sub2 are operated upon by modems 304 and 302 respectively. The modems are shown to be functionally coupled to controller 308 316 via lines 310, for receiving contention results, and 312 for passing parameters, frame times and weight values for the modems to apply to the received signals. Controller 314 includes control CPU 316 and memory device 318.